

NATIONAL CONFERENCE
RECENT TRENDS IN
MATHEMATICAL BIOLOGY THEORY, METHODS & APPLICATIONS

20 - 22 JULY 2023

PARTIALLY SUPPORTED BY DST-SERB, INDIA



Puttaparthi, AP, India

Puttaparthi Main Road, Puttaparthi, Puttaparthi,
515134, AP, India

Lat 14.162012, Long 77.812239

07/22/2023 10:31 AM GMT+05:30

Note : Captured by GPS Map Camera



GPS Map Camera















Designing Polymer Nanocomposites for Next-Generation Biomedical Devices and other Applications using Multiscale Molecular Dynamics Simulations

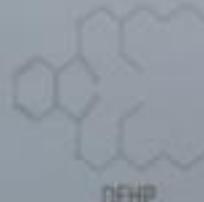
Dr. V N Ravi Kishore Vutukuri

Department of Chemistry
St. Xavier's Institute of Higher Learning

Introduction

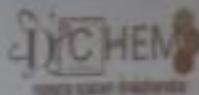
Plasticizers (like DEHP) present in the blood storage bags are carcinogenic and have been banned in Europe over endocrine-disrupting potential concerns.*

But, DEHP plasticizer also has the property to reduce hemolysis — indicating longer shelf life. Look for alternative materials which can increase the shelf life of blood without toxicity concerns.



Why Polymer Nanocomposites ?

- Light weight and high tunability
- Characteristics which encompass both colloidal science and polymer features
- Nanoparticles with large surface area to volume ratio have unexpected physical, chemical and optical properties



Stabilized Variational Multiscale Sub-Grid Finite Element Analysis Transport Model with Application to Hemodynamics

B. V. Rathish Kumar

Jointly with

Manisha, Dipak, Anil

IIT Kanpur





cancer cell
therapy resistance

Engineering
Mysore, India

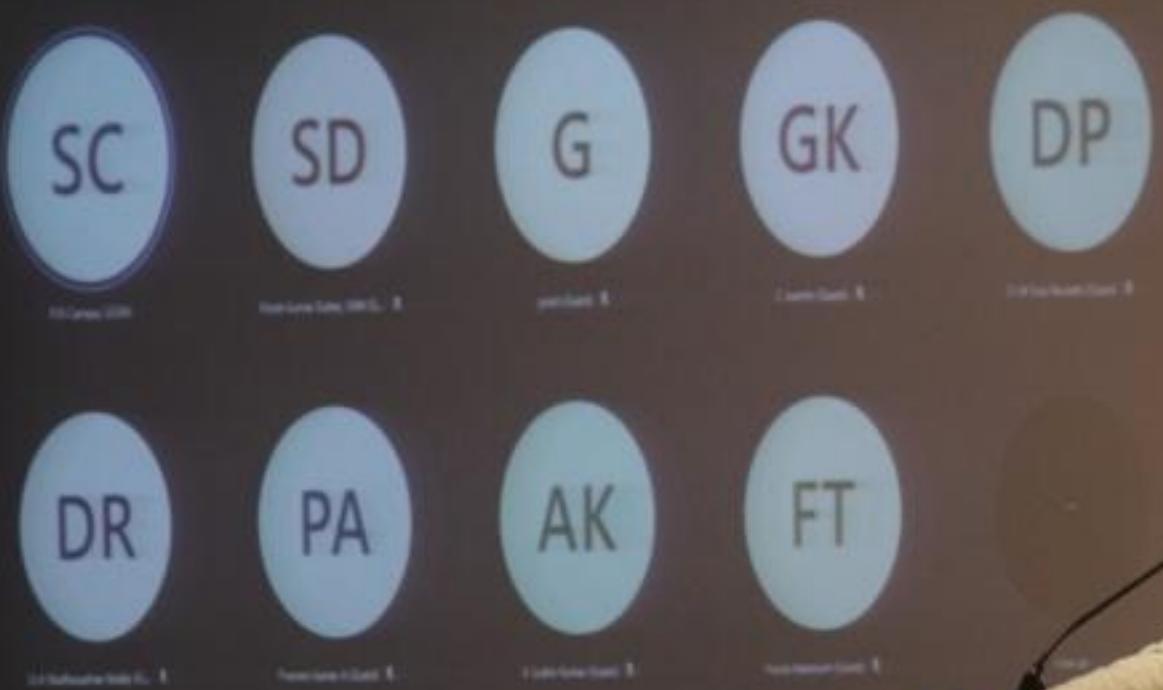
& Applications

B&E

Mathematical
Applications

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DECEMBER
2023

NATIONAL CONFERENCE ON

Recent Trends in
Mathematical Biology
Theory, Methods & Applications

Venue: Pravasi Bharatiya Campus, IITM-Guwahati

Bifurcation, Fixed and Quadruple attractors, and Organized
Periodic Structures in a Discrete-time Host-parasit system



Bapuji
Engineering
College

Differential Equations, Modelling
Department
Indian Institute of Technology
Guwahati

Fazal Ganai

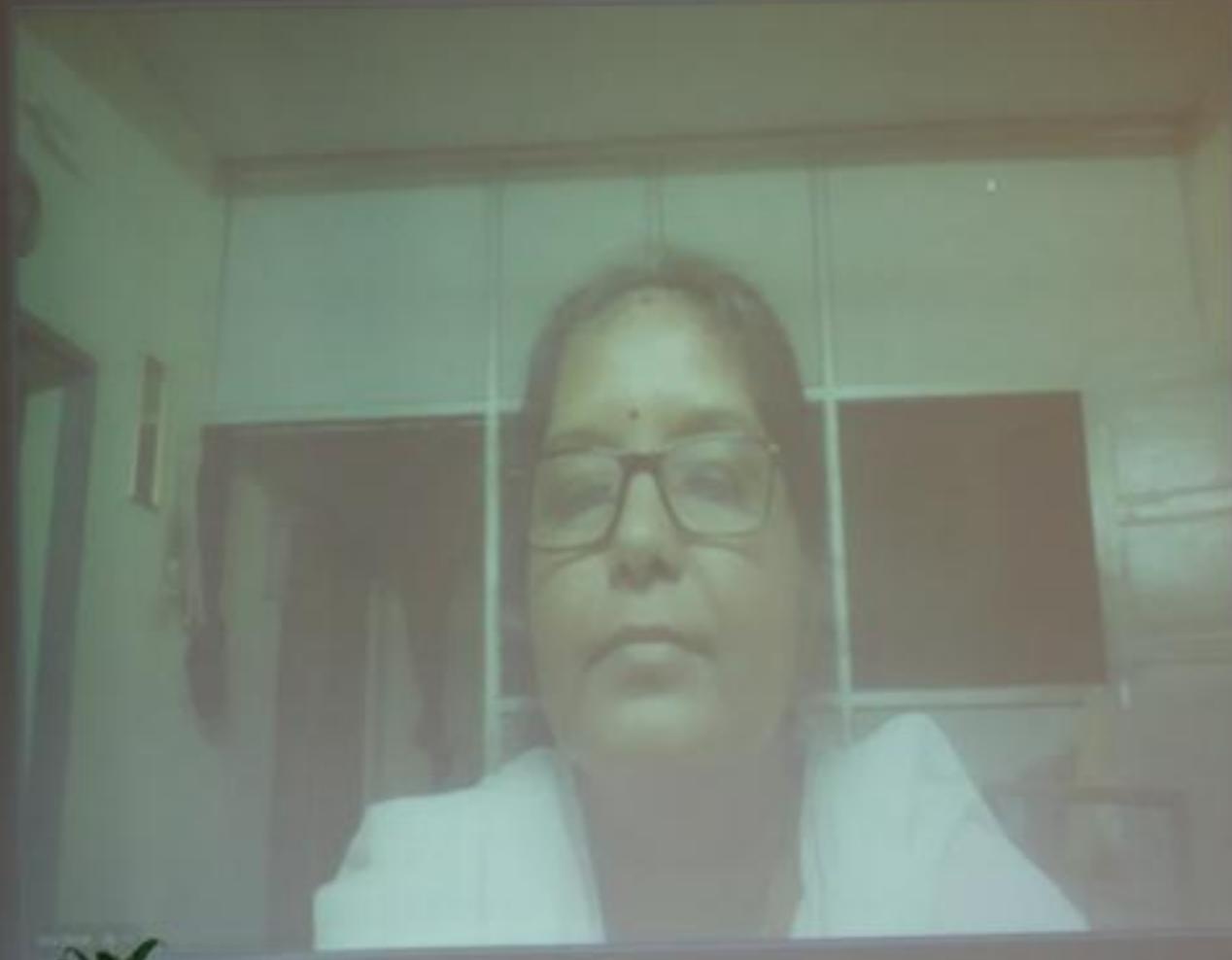


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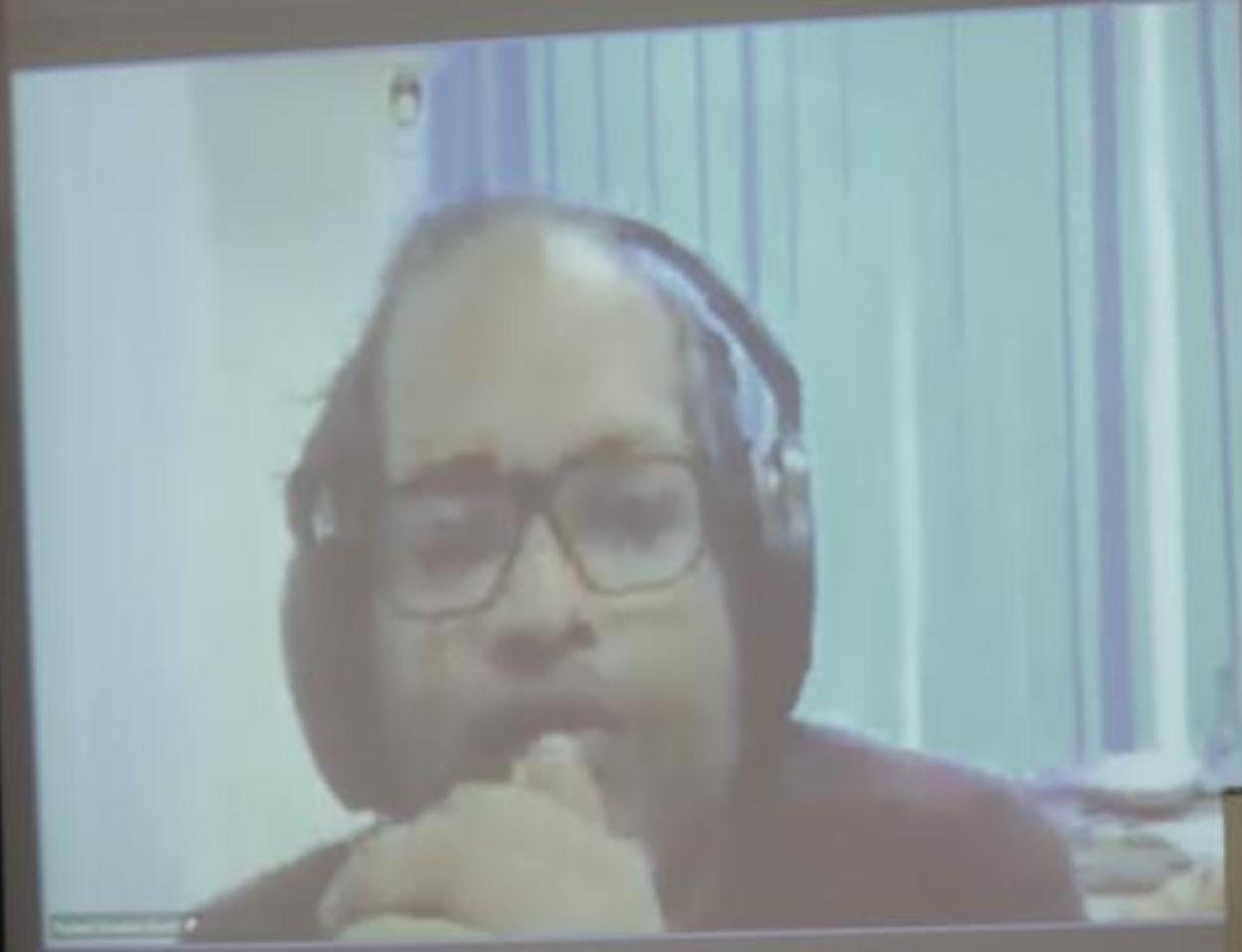
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Health Education Council



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18









Spine
Spondylosis
Spondylolisthesis

Spinal stenosis
Herniated disc
Sciatica

Spinal stenosis
Herniated disc
Sciatica

